BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: American Cyanamid Company
3150 Highway JJ
Palmyra, MO 63461
EPAID NO: MOID 0 1 6 8 3



U.S. ENVIRONMENTAL PROTECTION AGENCY

1999 Hazardous Waste Report

FORM IC

IDENTIFICATION AND CERTIFICATION

Instructions: Please see the detailed instructions beginning on page 7 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each section is provided below.

Sec. I	Site name and location address. Check the box \square in is absent, enter information. Instructions page 7.	tems A, B, C, E, F, G, and H if same as label; if different, enter corrections. If label				
A. EPA II Same as I	O No. label g or →	B. County Same as label □ or → Marion				
	C. Site/company name D. Has the site name associated with this EPA ID changed since 1997? □ 1 Yes					
	name and number. If not applicable, enter industrial palabel 🙊 or →	ark, building name, or other physical location description.				
	own, village label x or →	G. State Same as label or → \[\begin{array}{c c}				
Sec. II	Mailing address of site. Instructions page 7.					
A. Is the	mailing address the same as the location address?	□ 1 Yes (SKÍP TO SEC. III) 🙎 2 No (CONTINUE TO BOX B)				
	er and street name of mailing address O. Box 817					
	own, village nibal	D. State E. Zip Code [6 3 4 0 1] - [0 8 1 7]				
Sec. III	Name, title, and telephone number of the person who	should be contacted if questions arise regarding this report. Instructions page 7.				
A. Last N Wil	Name First name M.I. lett J. Brad	B. Title C. Telephone Number $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				
Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations." Instructions page 8.						
A. Last I	Name First name M.I.	B. Title				
War	ren D. E.	Plant Manager				
C. Signa	ture N.S. Warren	D. Date of signature O 2 2 9 0 0 Month Day Year				

BURNS data entered
BY SOUTH TMI-COR
ON _ 10/26/00

Over ->

EPAID NO. ___OD_ [01510] [21216] [01715]

Sec. V	Generator status. Instructions begin on page 8.							
A. 1999 RCRA generator status		B. Reason for not generating						
(CHECK ONE BOX BELOW)		(CHECK ALL THAT APPLY)						
Ճ 1 LQG □ 2 SQG □ 3 CESC □ 4 Non-g	SKIP TO SEC. VI QG generator (CONTINUE TO BOX B)	 □ 1 Never generated □ 2 Out of business □ 3 Only excluded or delisted waste □ 4 Only non-hazardous waste 	 □ 5 Periodic or occasional generator □ 6 Waste minimization activity □ 7 Other (SPECIFY IN COMMENTS BOX BELOW) 					

Sec. VI	On-site waste management status. Instructions page 10.	
A. Storaç		B. Treatment, disposal, or recycling subject to RCRA permitting requirements

Comments:

Section VI, Item A

On March 6, 1998 (since the 1997 Biennial Report) at American Cyanamid Company's request, the MDNR agreed with Cyanamid's contention that its waste tanks met the requirements of 40 CFR 270.1(c)(2)(v) and were, therefore, exempt from RCRA requirements. The purpose of this comment is to provide the explanation for the difference in the 97 and 99 reports for Section VI, Item A.



		7 7
-	BEFORE COP ENTER:	YING FORM, ATTACH SITE IDE CATION LABEL OR
The second secon	SITE NAME:	American Cyanamid Company 3150 Highway JJ Palmyra, MO 63461
The second second second	EPA ID NO:	$[M \mid 0 \mid D] \mid [0 \mid 5 \mid 0] \mid [2 \mid 2 \mid 6] \mid [0 \mid 7 \mid 5]$
The second secon	MO ID	0 1 6 8 3



U.S. ENVIRONMENTAL PROTECTION AGENCY

1999 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I	A. Waste description (page 12) Aqueous and organic value pendimethalin and imidazolinone manufac				
B. EPA (page 12	hazardous.waste code $\begin{bmatrix} D_1 O_1 O_1 1 \end{bmatrix}$ $\begin{bmatrix} D_1 O_1 O_1 2 \end{bmatrix}$ $\begin{bmatrix} D_1 O_1 O_1 2 \end{bmatrix}$ $\begin{bmatrix} D_1 O_1 O_1 2 \end{bmatrix}$	C. State hazardous waste code (page 13) L N A L N A			
D. SIC o (page 13		G. Point of measurement (p. 14)			
Sec. II	A. Quantity generated in 1999 (page 15) L 1 6 4 6 9 6 . 2 B. UOM	C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15) If the site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15) If the site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15)			
ON-SITE	PROCESS SYSTEM	ON-SITE PROCESS SYSTEM 2			
On-site p (page 16	Orocess system type Quantity treated, disposed, or recycled on site in 1999 (page 16)	On-site process system type Quantity treated, disposed, or (page 16) recycled on site in 1999 (page 16)			
L _M	0 4 1 0 1 5 7 4 3 9 . 0	$\lfloor M \rfloor \rfloor N \rfloor A \rfloor = \lfloor 1 \rfloor \rfloor \rfloor M \rfloor A \rfloor = \lfloor 1 \rfloor$			
Sec. III	A. Was any of this waste shipped off site in 1999 for treatment, dispo □ 1 Yes (CONTINUE TO BOX B) α 2 No (FORM IS COM				
Site 1	B. EPA ID No. of facility waste was shipped to (page 17) C. System type shipped to (p. 17)	D. Off-site availability code (page 17) L L L L L L L L L L L L L L L L L L L			
Site 2	B. EPA ID No. of facility waste was shipped to (page 17) LILITITION C. System type shipped to (p. 17) LMITITION C. System type shipped to (p. 17)	D. Off-site availability code (page 17) L. Total quantity shipped in 1999 (page 17)			
Site 3	B. EPA ID No. of facility waste was shipped to (page 17) C. System type shipped to (p. 17)	D. Off-site availability code (page 17) L L L L L L L L L L L L L L L L L L L			
Sect	Comments: Section 1.BF 0 0 2, F 0 0 3, F 0 0 5, K 0 3 8, U 1 6 1, U 2 2 0, P 0 9 4 Section 1.HB 1 1 3 and B 2 0 7				

0 1 6 8 3

MO ID



I.S. ENVIRONMENTAL PROTECTION AGENCY

OMB#: 2050-0024 Expires 11/30/2000

1999 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

comple	ompleting this form. In addition, the page number for instructions specific to each box is provided in parentheses.					
Sec. I	A. Waste description (page 12) Miscellaneous solid waste (hazardous and non-hazardous mixed) from the manufacturing and formulation of pesticides.					
B. EPA I		0 ₁ 0 ₁ 2 ₁ 0 ₁ 0 ₁ 3 ₁	C. State hazardous waste code (page 13)			
D. SIC c (page 13		F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14) LB 6 0 9	I. RCRA-radioactive mixed (page 14)	
Sec. II	A. Quantity generated in 1999 (page 15) B. UC (page 15) Density	15) ⁄	C. Did this site do dispose on site, re (page 15)	any of the follow cycle on site, or c	ing to this waste: treat on site, discharge to a sewer/POTW?	
	·	. IN_IA_ 1 lbs/gal □ 2 sg	№ 1 Yes (CONTIN □ 2 No (SKIP TO		PROCESS SYSTEM 1)	
ON-SITE	PROCESS SYSTEM		ON-SITE PROCESS	SYSTEM 2		
On-site process system type (page 16) Quantity treated, disposed, or recycled on site in 1999 (page 16)			On-site process system type Quantity treated, disposed, or (page 16) recycled on site in 1999 (page 16)			
[M] 0 4 1			LMINA LIIIINA			
Sec. III	A. Was any of this waste shipped off site in 199	9 for treatment, dispos 2 No (FORM IS COMF	sal, or recycling? (pa PLETE)	age 17)		
Site 1	B. EPA ID No. of facility waste was shipped to	C. System type	D. Off-site availab	cility E. Total qu	uantity shipped in 1999 (page 17)	
	(page 17) [I ₁ L ₁ D ₁ [0 ₁ 9 ₁ 8] [6 ₁ 4 ₁ 2] [4 ₁ 2 ₁ 4 ₁	shipped to (p. 17) [M] 0 4 1	code (page 17)		1 1 1 1 1 1 1 3 1 . [0]	
Site 2	B. EPA ID No. of facility waste was shipped to	C. System type	D. Off-site availab	cility E. Total qu	uantity shipped in 1999 (page 17)	
	(page 17) [A ₁ L ₁ D ₂ 0 ₁ 0 ₁ 0 ₂ 6 ₁ 2 ₁ 2 ₂ 4 ₁ 6 ₁ 4 ₂	shipped to (p. 17) $ \lfloor \frac{M+1}{3} \rfloor 2 \rfloor $	code (page 17)		1 1 1 1 1 3 12	
Site 3	B. EPA ID No. of facility waste was shipped to (page 17)	C. System type shipped to (p. 17)	D. Off-site availab		uantity shipped in 1999 (page 17)	
		[M]	Ш			
Secti	Comments: Section 1.BF 0 0 5, D 0 2 1, D 0 2 8, P 0 9 4, U 1 6 1, U 2 2 0 Section 1 F & HHeels from process sludges from tanks and process equipment, cleaning,					

housekeeping debris, and laboratory wastes

code (page 17)

shipped to (p. 17)

| M | | | |

Comments:

Section 1.B--F 0 0 3, F 0 0 5, P 0 9 4

BEFORE COP ENTER:	YING FORM, ATTACH SITE IDEN .TION LABEL OR
SITE NAME:	American Cyanamid Company 3150 Highway JJ Palmyra, MO 63461
EPA ID NO:	$[M \mid 0 \mid D] \mid 0 \mid 5 \mid 0 \mid 2 \mid 2 \mid 2 \mid 6 \mid 0 \mid 7 \mid 5$
MO ID	0 1 6 8 3



J.S. ENVIRONMENTAL PROTECTION AGENCY

1999 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I	A. Waste description	n (page 12) Refi	actor	ry and Quench	Ash		
B. EPA hazardous.waste code					C. State hazardous	waste code (pa	
D. SIC c (page 13		E. Origin code [5] (page 13) System	Туре	F. Source code (page 14)	measurement (H. Form code page 14)	I. RCRA-radioactive mixed (page 14)
Sec. II	A. Quantity generat (page 15)			5)	dispose on site, recy (page 15)	ycle on site, or o	ing to this waste: treat on site, lischarge to a sewer/POTW? PROCESS SYSTEM 1)
ON-SITE	PROCESS SYSTEM				ON-SITE PROCESS S	SYSTEM 2	
On-site p	process system type	Quantity treate recycled on site			On-site process system type Quantity treated, disposed, or (page 16) recycled on site in 1999 (page 16)		
[M] $[N]$ $[M]$ $[N]$ $[M]$ $[N]$ $[M]$ $[N]$ $[M]$ $[N]$ $[M]$ $[N]$ $[M]$				NA.			
Sec. III		waste shipped off site	e in 1999 □ 2	for treatment, dispos No (FORM IS COMF	sal, or recycling? (pag PLETE)	ge 17)	
Site 1	(page 17)	cility waste was ship $0 \begin{bmatrix} 6 & 2 & 2 \end{bmatrix} \begin{bmatrix} 4 & 4 \end{bmatrix}$		C. System type shipped to (p. 17)	D. Off-site availabil code (page 17)		uantity shipped in 1999 (page 17)
Site 2	(page 17)	cility waste was ship		C. System type shipped to (p. 17)	D. Off-site availabil code (page 17)		uantity shipped in 1999 (page 17)
Site 3	(page 17)	cility waste was ship		C. System type shipped to (p. 17)	D. Off-site availabil code (page 17)		uantity shipped in 1999 (page 17)
Comme	Comments: Section 1 Box AThis material meets the conditions of the "derived from" rule, and therefore; carries the waste codes of the materials "treated during the generation of this waste material". Section 1 Box BF 0 0 2, F 0 0 3, F 0 0 5, U 1 6 1, U 2 0 0						

OMB#: 2050-0024 Expires 11/30/2000

BEFORE COP ENTER:	YING FORM, ATTACH SITE IDEN TION LABEL OR
SITE NAME:	American Cyanamid Company 3150 Highway JJ Palmyra, MO 63461
EPA ID NO:	$M \mid 0 \mid D$ $\mid 0 \mid 5 \mid 0$ $\mid 2 \mid 2 \mid 6$ $\mid 0 \mid 7 \mid 5$
MO ID	0 1 6 8 3



J.S. ENVIRONMENTAL **PROTECTION AGENCY**

1999 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I	.I A. Waste description (page 12) Miscellaneous "COD" analytical wastes						
B. EPA hazardous.waste code [D 0 0 2] [D 0 0 9] (page 12)				C. State hazardou	s waste code (pa		
D. SIC o (page 13 L		E. Origin code $\[\begin{array}{ccc} 1 \\ \end{array}$ (page 13) System	Туре	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form code (page 14)	I. RCRA-radioactive mixed (page 14)
Sec. II	A. Quantity generate (page 15)	ed in 1999		5)	dispose on site, re (page 15)	cycle on site, or o	ing to this waste: treat on site, discharge to a sewer/POTW? PROCESS SYSTEM 1)
ON-SITE	PROCESS SYSTEM				ON-SITE PROCESS SYSTEM 2		
On-site process system type (page 16) Quantity treated, disposing recycled on site in 1999			On-site process system type Quantity treated, disposed, or recycled on site in 1999 (page 16				
LΜ	N A			INA.L	[M] N A		IIII NIAI.LI
Sec. III		waste shipped off site		of for treatment, disposed No (FORM IS COMF		age 17)	
Site 1	B. EPA ID No. of fa	cility waste was ship	ped to	C. System type	D. Off-site availab	pility E. Total qu	antity shipped in 1999 (page 17)
	(page 17) [P A D][9 8]	7, [3,6,7, [2]	1 [6]	shipped to (p. 17)	code (page 17)		. [8]
Site 2	B. EPA ID No. of fa (page 17)	cility waste was ship		C. System type shipped to (p. 17)	D. Off-site availab code (page 17)		rantity shipped in 1999 (page 17)
Site 3	B. EPA ID No. of fa (page 17)	cility waste was ship		C. System type shipped to (p. 17)	D. Off-site availab		antity shipped in 1999 (page 17)
Commer	nts: Section l	Box FSpent	anal	ytical soluti	ons from che	emical oxyg	en demand (COD)

wet chemical analysis in support of NPDES permit.

BEFORE COPYING FORM, ATTACH SITE IDEN TION LABEL OR ENTER: SITE NAME: American Cyanamid Company 3150 Highway JJ Palmyra, MO 63461 EPAID NO: M O D O 5 O 2 2 6 O 7 5 MO ID 0 1 6 8 3	J.S. ENVIRONMENTAL PROTECTION AGENCY 1999 Hazardous Waste Report WASTE GENERATION AND MANAGEMENT GM TORM GM
Instructions: Please see the detailed instructions beginning or completing this form. In addition, the page number for instruct	ions specific to each box is provided in parentheses.
Sec. I A. Waste description (page 12) Waste Oil	
B. EPA hazardous.waste code	C. State hazardous waste code (page 13)
D. SIC code (page 13) L2 8 7 9 E. Origin code L1 (page 13) System Type LM N A LA 5 4	G. Point of measurement (page 14) (p. 14)
Sec. II A. Quantity generated in 1999 (page 15) L	C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15) **Discrete** 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1) **Discrete** 2 No (SKIP TO SEC. III)
ON-SITE PROCESS SYSTEM	ON-SITE PROCESS SYSTEM 2
On-site process system type Quantity treated, disposed, or recycled on site in 1999 (page 16)	On-site process system type Quantity treated, disposed, or (page 16) recycled on site in 1999 (page 16)
[M] 0 4 1	[M] N A I N A L
Sec. III A. Was any of this waste shipped off site in 1999 for treatment, disp	
Site 1 B. EPA ID No. of facility waste was shipped to (page 17) LILILILILILILILILILILILILILILILILILIL	D. Off-site availability code (page 17)
Site 2 B. EPA ID No. of facility waste was shipped to (page 17) C. System type shipped to (p. 17)	D. Off-site availability E. Total quantity shipped in 1999 (page 17) code (page 17)
Site 3 B. EPA ID No. of facility waste was shipped to (page 17) LILILITIAN CONTROL CO	D. Off-site availability code (page 17)
Comments:	Z

BEFORE COP ENTER:	YING FORM, ATTACH SITE IDEN TION LABEL OR
SITE NAME:	American Cyanamid Company 3150 Highway JJ Palmyra, MO 63461
EPA ID NO:	$[M \mid 0 \mid D] \mid 0 \mid 5 \mid 0 \mid 2 \mid 2 \mid 2 \mid 6 \mid 0 \mid 7 \mid 5]$
MO ID	0 1 6 8 3



I.S. ENVIRONMENTAL PROTECTION AGENCY

1999 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec.I A. Waste description (page 12) Spent sand blasting media										
B. EPA hazardous.waste code D O O O O O O O O O O O O O O O O O O					C. State hazardous waste code (page 13)					
D. SIC c (page 13)		E. Origin code 1 (page 13) System	Туре	F. Source code (page 14)	G. Point of measurement (p. 14)	H. Form (page 14)	1	I. RCRA-radioactive mixed (page 14)		
Sec. II	A. Quantity generated in 1999 page 15) B. UOM 2 (page 15) Density N A 1 lbs/gal = 2 sg			C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15) 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1) 2 No (SKIP TO SEC. III)						
ON-SITE PROCESS SYSTEM					ON-SITE PROCESS SYSTEM 2					
On-site p	process system type	d, dispo e in 1999	sed, or 9 (page 16)	On-site process system type Quantity treated, disposed, or (page 16) recycled on site in 1999 (page 16)						
L _M _	N A		NA.	[M] $[N]$ A						
Sec. III A. Was any of this waste shipped off site in 1999 for treatment, disposal, or recycling? (page 17) □ 1 Yes (CONTINUE TO BOX B) □ 2 No (FORM IS COMPLETE)										
Site 1	B. EPA ID No. of facility waste was shipped to (page 17)			D. Off-site availal code (page 17)		E. Total quantity shipped in 1999 (page 17)				
Site 2	B. EPA ID No. of facility waste was shipped to (page 17) LILITION No. of facility waste was shipped to shipped to (p. 17) LITTION NO. of facility waste was shipped to (p. 17) LITTION NO. of facility waste was shipped to (p. 17)			shipped to (p. 17)	D. Off-site availal code (page 17)	1	E. Total quantity shipped in 1999 (page 17)			
Site 3				C. System type shipped to (p. 17)	D. Off-site availal code (page 17)			uantity shipped in 1999 (page 17)		
Comments: Section 1 Box HBlasting media (sand, sodium bicarbonate, coal fines, etc. containing paint chips which may contain metals)										

BEFORE COPYING FORM, ATTACH SITE IDEN TION LABEL OR ENTER:

SITE NAME: American Cyanamid Company

3150 Highway JJ

Palmyra, M0 63461

EPAID NO: M | O | D | O | 5 | O | 2 | 2 | 6 | O | 7 | 5 |

MO ID 0 1 6 8 3



J.S. ENVIRONMENTAL PROTECTION AGENCY

1999 Hazardous Waste Report

FORM AN

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I A. Waste description (page 12) Waste epox	A. Waste description (page 12) Waste epoxy resins, paint								
B. EPA hazardous.waste code [D 0 0 6] [D 0] (page 12)	C. State hazardous waste code (page 13)								
E. 01911 0000	F. Source code (page 14) [A]2 1]	measurement (H. Form code (page 14)	RCRA-radioactive mixed (page 14) L2_l					
		C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15) 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1) 2 2 No (SKIP TO SEC. III)							
ON-SITE PROCESS SYSTEM On-site process system type (page 16) Quantity treated, dispose recycled on site in 1999	On-site process system type (page 16) Onumber 16 Onumb								
Sec. III A. Was any of this waste shipped off site in 1999 for treatment, disposal, or recycling? (page 17) □ 1 Yes (CONTINUE TO BOX B) □ 2 No (FORM IS COMPLETE)									
	C. System type shipped to (p. 17) [M 0 4 1	D. Off-site availabi code (page 17)		uantity shipped in 1999 (page 17)					
01.0 2	C. System type shipped to (p. 17)	code (page 17)		uantity shipped in 1999 (page 17)					
0.100	C. System type shipped to (p. 17)	D. Off-site availabi code (page 17)		uantity shipped in 1999 (page 17)					
Comments:									



American Cyanamid Company

Agricultural Division P.O. Box 817 Hannibal, MO 63401 (314) 769-2011

Certified Mail Z 583 661 494

February 29, 2000

Missouri Department of Natural Resources Hazardous Waste Program Biennial Report P. O. Box 176, 205 Jefferson Jefferson City, MO 65101

RE: RCRA Biennial Report

Gentlemen:

In accordance with the instructions we received in a letter from John C. Beard, Chief, Fees and Taxes Unit, on January 20, 2000, enclosed please find one completed copy of the U.S. Environmental Protection Agency 1999 Hazardous Waste Report for American Cyanamid Company's Hannibal, Missouri, manufacturing facility.

If you have any questions with regard to information contained in this report or require additional information, please contact me at 1-573-769-2011, Ext. 2268.

Sincerely,

AMERICAN CYANAMID COMPANY Agricultural Products Division

J. Brad Willett, P.E.

Manager, Environmental Services

dep
enclosures
jbw\99RCRA biennial report.doc

cc: Ms. Irene Crawford

RECEIVED

MAR 0 2 2000

HAZARDOUS WASTE PROGRAM MO DEPARTMENT OF NATURAL RESOURCES